	Application No. Applicant(s)		
Notice of Allowability	10/082,001 DEMUTH ET AL.		
	Examiner	Art Unit	
	Chih-Min Kam	1653	
The MAILING DATE of this communication apperatus All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	or other appropriate comm	n this application. If not included	e. THIS e initiativ
1. This communication is responsive to 10/15/04.			
2. $igtimes$ The allowed claim(s) is/are <u>1-10 and 14</u> -22.			
3. $igotimes$ The drawings filed on 22 $February 2002$ are accepted by th	e Examiner.		
 Acknowledgment is made of a claim for foreign priority und a)	been received. been received in Application	л No	
 Copies of the certified copies of the priority doci International Bureau (PCT Rule 17.2(a)). 	uments have been receive	d in this national stage application from	m the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" o noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	f this communication to file NT of this application.	a reply complying with the requireme	nts
A SUBSTITUTE OATH OR DECLARATION must be submitt INFORMAL PATENT APPLICATION (PTO-152) which gives	reason(s) why the oath or	MINER'S AMENDMENT or NOTICE of declaration is deficient.	OF
. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.		
(a) ☐ including changes required by the Notice of Draftspersor	n's Patent Drawing Review	(PTO-948) attached	
i) 🗀 hereto of 2) 📋 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's / Paper No./Mail Date	Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1.8-each sheet. Replacement sheet(s) should be labeled as such in the	(c)) should be written on th	e drawings in the front (not the back) of	ŗ
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR	moder according to 37 CE	(1,121(0)	
attached Examiner's comment regarding REQUIREMENT FO	OR THE DEPOSIT OF BIO	RIAL must be submitted. Note the LOGICAL MATERIAL.	
tachment(s) Notice of References Cited (PTO-892)	E D Nation of the		
☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Sur	rmal Patent Application (PTO-152)	
Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/26/03	Paper No./M	lail Date <u>20041025</u> . mendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🗌 Examiner's S	tatement of Reasons for Allowance	
or Diological Material	9. ☐ Other		

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An **Examiner's Amendment** to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Serio on October 26, 2004.

Examiner's Amendments to the Claims:

Please cancel claims 11-13 and 23-25.

Claims 1, 4 and 14 have been amended as follows:

1. (Currently amended) A <u>dipeptidyl peptidase IV (DP-IV)</u> inhibitor compound of the general formula



wherein

A is an amino acid having at least one functional group in the side chain,

B is a chemical compound covalently bound to at least one functional group of the side chain of A, chosen from the group consisting of:

- (a) oligopeptides having a chain length of up to 20 amino acids, except for homopolymers of glycine consisting of up to 6 glycine monomers, and
- (b) polyethylene glycols having molar masses of up to 20 000 g/mol; and C is a group amide-bonded to A, chosen from the group consisting of thiazolidine, pyrrolidine, cyanopyrrolidine, hydroxyproline, dehydroproline and piperidine.
- 4. (Currently amended) The compound according to claim 1, wherein the amino acid of A is chosen from the group consisting of threonine, tyrosine, serine, arginine, lysine, aspartic acid, glutamic acid and cysteine.

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14. (Currently amended) A pharmaceutical composition comprising at least one dipeptidyl peptidase IV (DP-IV) inhibitor compound of the general formula



wherein

A is an amino acid having at least one functional group in the side chain,

B is a chemical compound covalently bound to at least one functional group in the side chain of A, chosen from the group consisting of:

- (a) oligopeptides having a chain length of up to 20 amino acids, except for homopolymers of glycine consisting of up to 6 glycine monomers, and
- (b) polyethylene glycols having molar masses of up to 20,000 g/mol,
- [(c) optionally substituted organic amines, amides, alcohols, acids or aromatic compounds having from 8 to 50 carbon atoms,]

C is a group, amide-bonded to A, chosen from the group consisting of thiazolidine, pyrrolidine, cyanopyrrolidine, hydroxyproline, dehydroproline and piperidine, [pyrrolidide provided that, when B is selected from (c), then C can not be pyrrolidine or cyanopyrrolidine;]

and at least one pharmaceutically acceptable carrier [material].

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chih-Min Kam whose telephone number is (571) 272-0948. The examiner can normally be reached on 8.00-4:30, Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jon Weber can be reached at 571-272-0925. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Chih-Min Kam, Ph. D. CHK Patent Examiner

CMK October 26, 2004

JONWEBER

SUPERVISORY PATENT EXAMINER